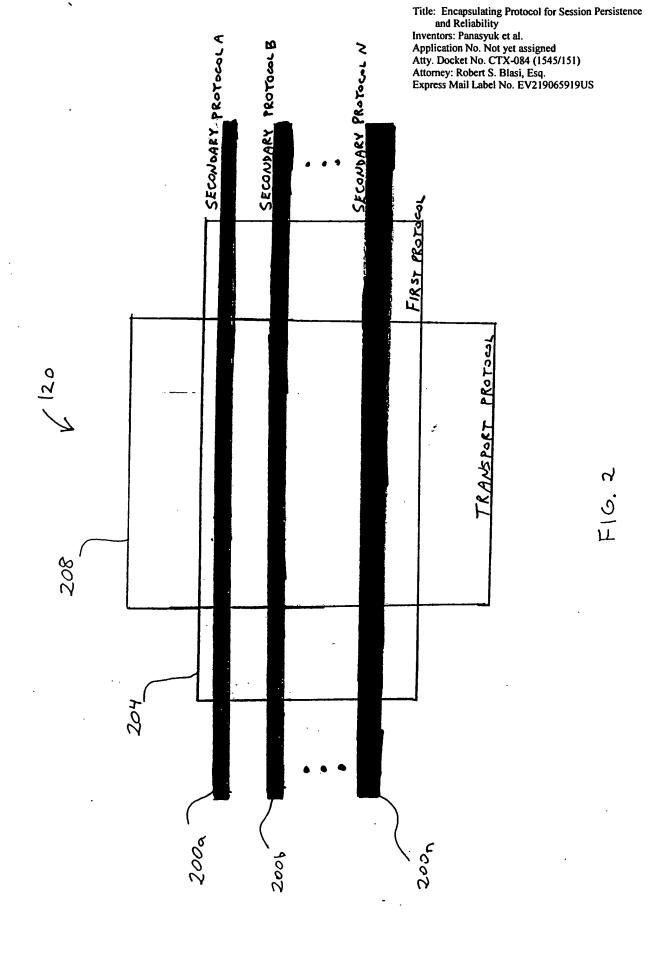
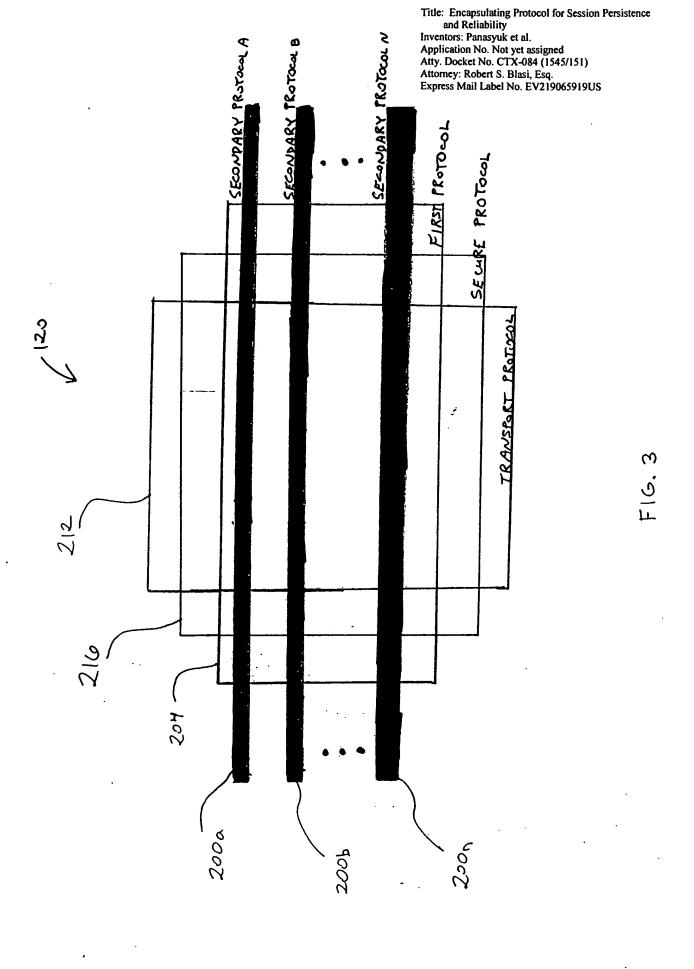


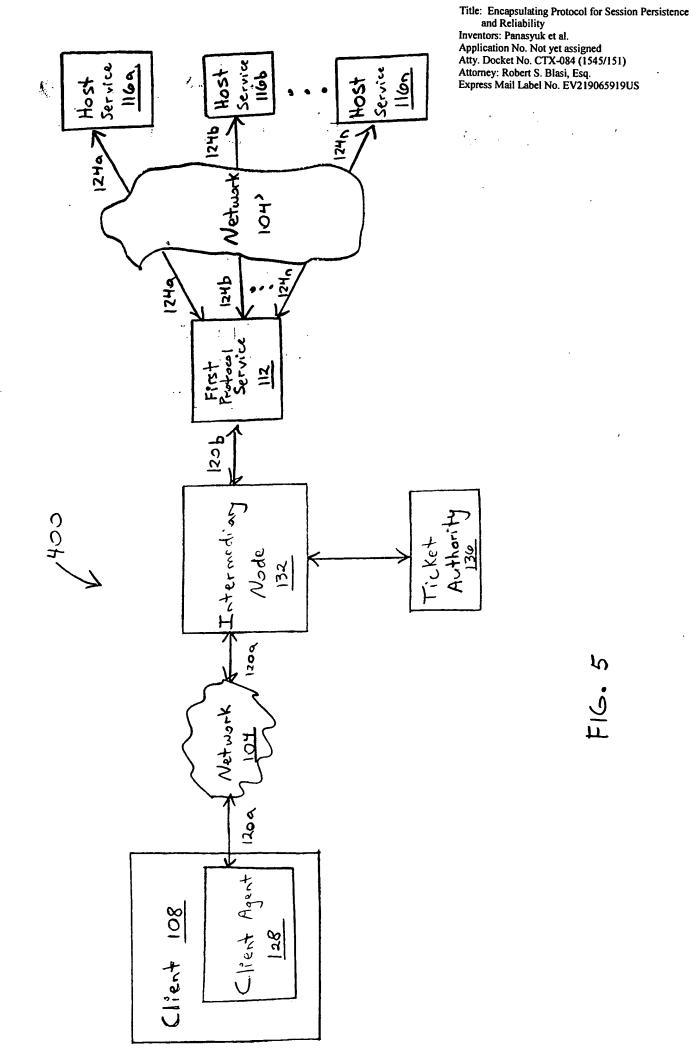
Application No. Not yet assigned
Atty. Docket No. CTX-084 (1545/151)
Attorney: Robert S. Blasi, Esq.
Express Mail Label No. EV219065919US Host Service 1169 Service libr 160 A Host Service 1169 Host Service 1160 Host Service 1169 Host Service 1166 Host Service 1166 Service Hostsana Host なより 色工 Host Node 118A Host Node 118a Protocol Host Node 1186 1240 Service 112 First Protocol First Protocol Service 112 Service 112 120 125 200 Network 0 120 Client Agent Client 108 128

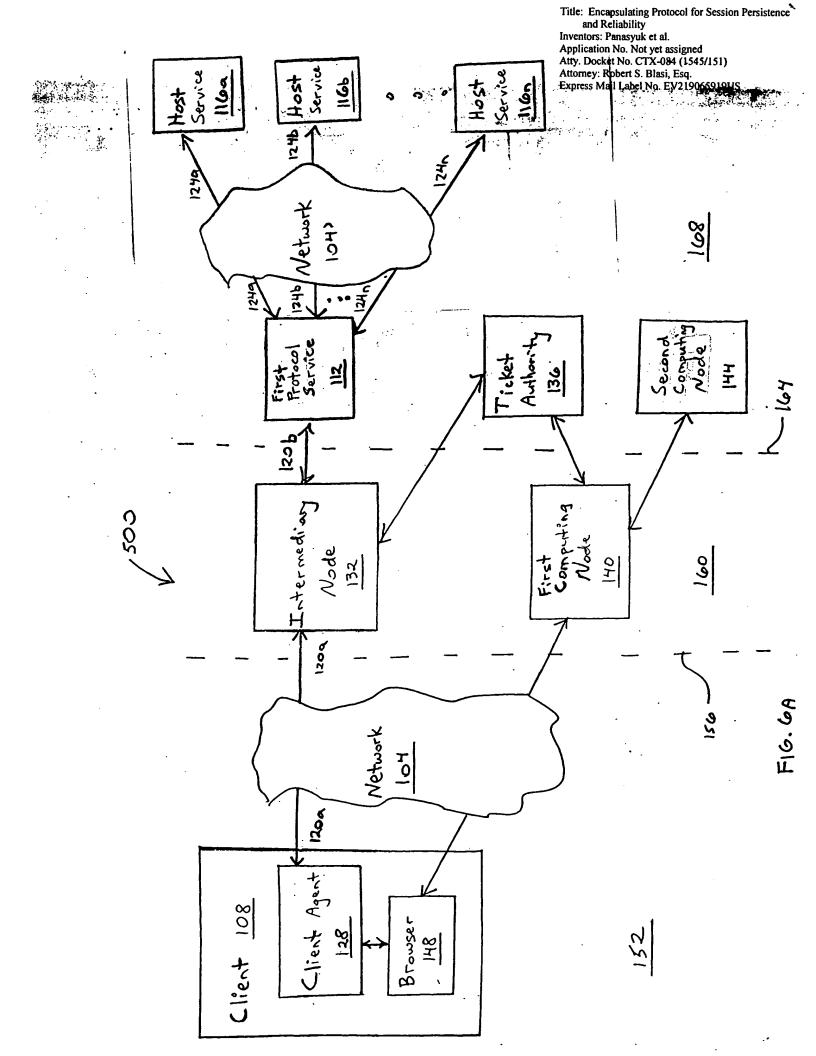
Title: Encapsulating Protocol for Session Persistence and Reliability

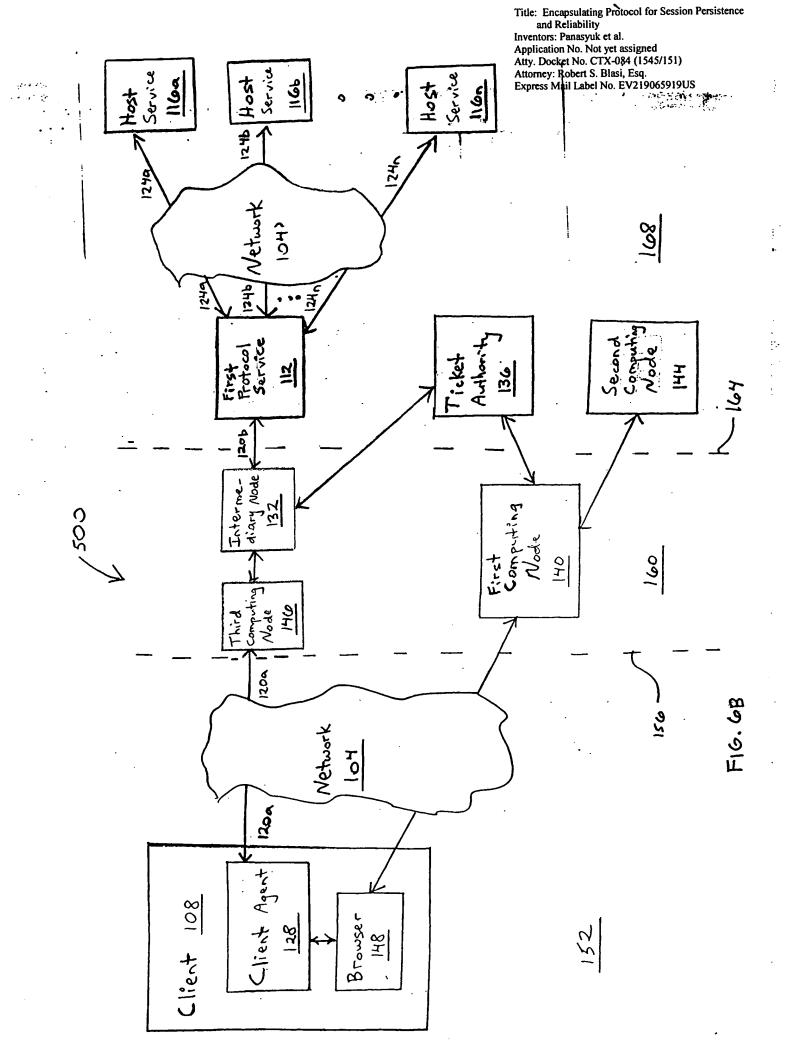


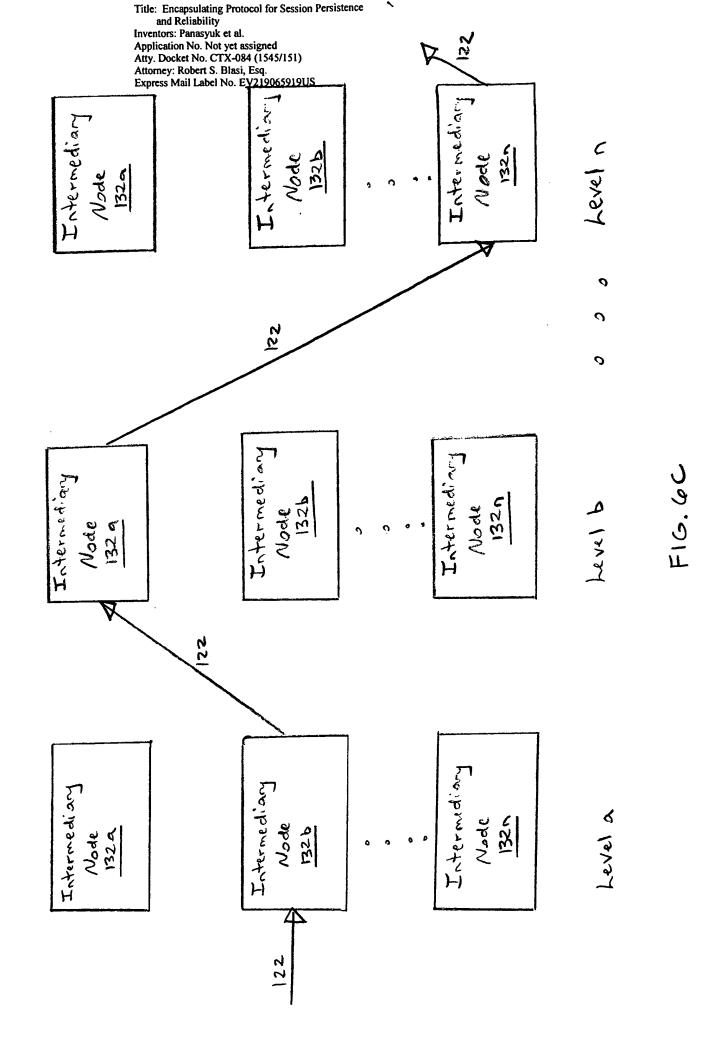


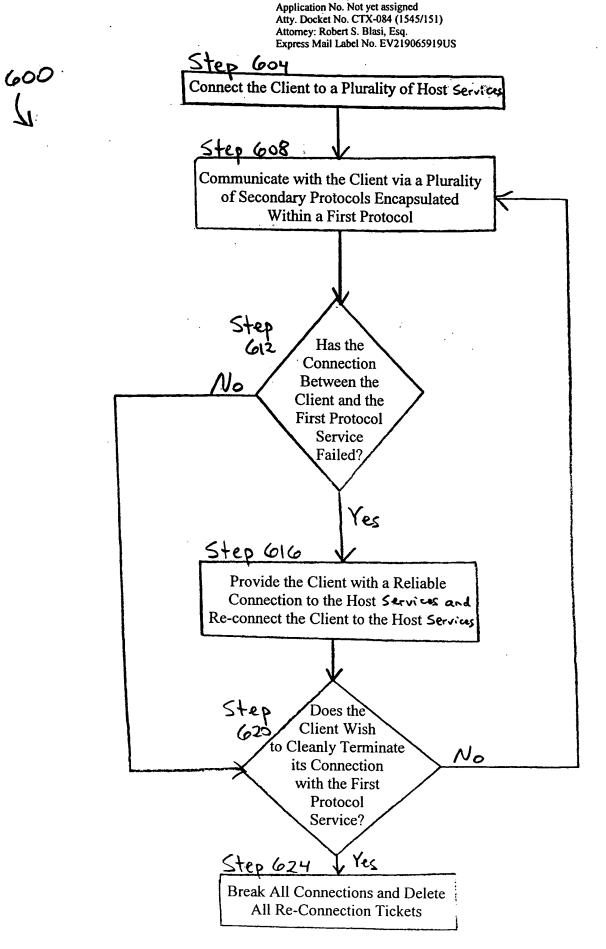
Title: Encapsulating Protocol for Session Persistence and Reliability Inventors: Panasyuk et al.
Application No. Not yet assigned
Atty. Docket No. CTX-084 (1545/151)
Attorney: Robert S. Blasi, Esq.
Express Mail Label No. EV219065919US Secondary Protocol 3048 Packet Data Secondary Protect Packet 3046 3081 Encrypted First Protocol Packet 1324 Secondary Encapsulation Eneryption Protocol Packet Header 300 1 3 c Secondary Protoal Packet 304a 下10.4 328 Secondary Probuol 13042 Packet Data 3129 Header Protocol Packet Header 320 Secondary Protocol 308a Header Secure Connection First Protect Packet Over First Protocol Packet Secondary Protocol Packets







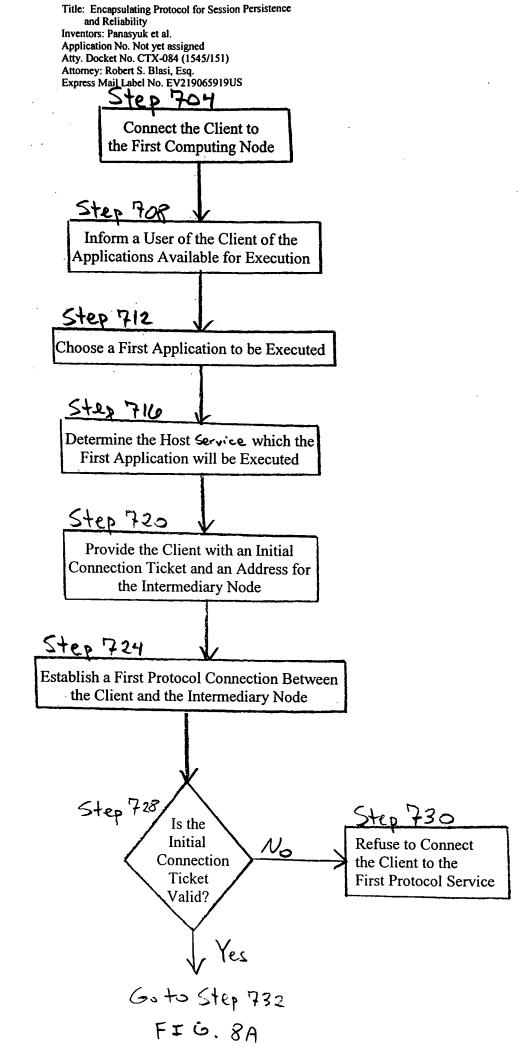




Title: Encapsulating Protocol for Session Persistence

and Reliability
Inventors: Panasyuk et al.

FIG.7



and Reliability Inventors: Panasyuk et al. Application No. Not yet assigned From Step 728 Atty. Docket No. CTX-084 (1545/151) Attorney: Robert S. Blasi, Esq. Express Mail Label No. EV219065919US Provide the Intermediary Node with an Address for the First Protocol Service and an Address for the Host Service Step 736 Establish a First Protocol Connection Between the Intermediary Node and the First Protocol Service Step 740 Establish a Secondary Protocol Connection Between the First Protocol Service and the Host Service Step 744 Choose a Second Application to be Executed Step 748 Determine the Host Service on which the Second Application will be Executed Step 752 Establish Another Secondary Protocol Connection Between the First Protocol Service and the Host Service Step 756 Encapsulate the Plurality of Secondary Protocols Within the First Protocol Step 760 Generate a First Reconnection Ticket Go to Step 764

Title: Encapsulating Protocol for Session Persistence

F16.88

Inventors: Panasyuk et al.
Application No. Not yet assigned
Atty. Docket No. CTX-084 (1545/151)
Attorney: Robert S. Blasi, Esq.
Express Mail Label No. EV219065919US

Transmit the First Reconnection Ticket and a Handle to the Intermediary Node

Step 768

Transmit the First Reconnection
Ticket to the Client

Step 776

Transmit the Second Reconnection
Ticket to the Client

Title: Encapsulating Protocol for Session Persistence

and Reliability

F16.80

Title: Encapsulating Protocol for Session Persistence and Reliability Inventors: Panasyuk et al. Application No. Not yet assigned Atty. Docket No. CTX-084 (1545/151) Attorney: Robert S. Blasi, Esq. Express Mail Label No. EV219065919US

Step 804

Maintain the Secondary Protocol Connections
Between the First Protocol Service and the
Host Services

Step 808

Maintain a Queue of Data Packets Most-Recently Transmitted Between the Client and the First Protocol Service

5tep 812

Reconnect the Client to the Host Services

Step 816

Transmit the Queued Data Packets via the New First Protocol Connection Between the Client and the First Protocol Service

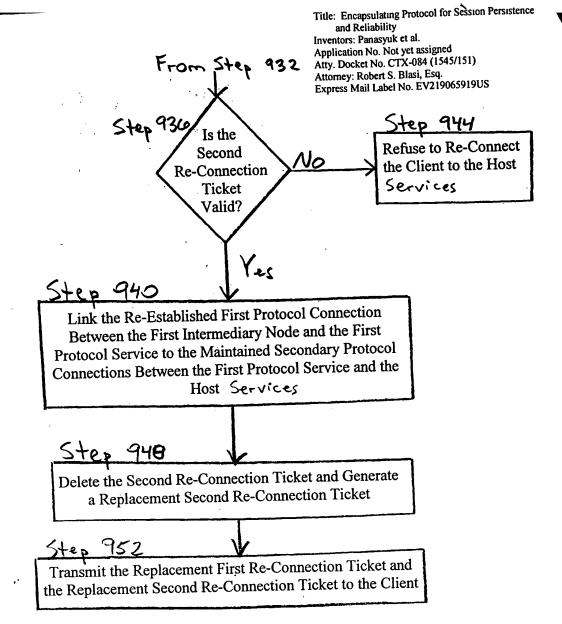
F16.9



and Reliability Inventors: Panasyuk et al. Step 904 Application No. Not yet assigned Atty. Docket No. CTX-084 (1545/151) Break any Remaining Connections Attorney: Robert S. Blasi, Esq. Express Mail Label No. EV219065919US Between the Client and the First **Protocol Service** Re-Establish a First Protocol Connection Between the Client and the Intermediary Node Ster 912 Transmit the First Reconnection Ticket and the Second Reconnection Ticket to the Intermediary Node Step 916 Ster 924 Is the **First** Refuse to Re-Connect No Re-Connection the Client to the First **Ticket** Protocol Service Valid? Yes Provide the Intermediary Node with the Address of the First Protocol Service Delete the First Re-Connection Ticket and Generate a Replacement First Re-Connection Ticket and a Replacement Handle Step 932 Re-Establish a First Protocol Connection Between the Intermediary Node and the First Protocol Service Go to Step 9360 FIG. 10A

Title: Encapsulating Protocol for Session Persistence

900



F16.10B